

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/063768 A1

(51) International Patent Classification⁷: C07D 491/052

(21) International Application Number:
PCT/KR2004/003545

(22) International Filing Date:
30 December 2004 (30.12.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2003-0100132
30 December 2003 (30.12.2003) KR

(71) Applicant (*for all designated States except US*): SK
CHEMICALS, CO., LTD. [KR/KR]; 600 Jungja 1-dong,
Jangan-ku, Suwon-si, Kyungki-do 440-301 (KR).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): KIM, Hyung
Ook [KR/KR]; 201, 99-102 Yuljeon-dong, Jangan-gu,
Suwon-si, Kyungki-do 440-320 (KR). LEE, Nam Kyu
[KR/KR]; 123-108 Jugong Apt., 333 Cheoncheon-dong,
Jangan-gu, Suwon-si, Kyungki-do 440-330 (KR). KIM,
Joo Hyon [KR/KR]; B01 700-9, Bokjeong-dong, Su-
jeong-gu, Seongnam-si, Kyungki-do 461-200 (KR).
RHEE, Hae In [KR/KR]; 21/2 95-74 Sillim 2-dong,
Gwanak-gu, Seoul 151-012 (KR). CHO, Yong-Baik
[KR/KR]; 101-1105 Ggummaeul Apt., 932-6 Pyeong-
chon-dong, Dongan-gu, Anyang-si, Kyungki-do 431-070
(KR). RYU, Je Ho [KR/KR]; 401 Samyang Villa, 654-6
Daerim 3-dong, Yeongdeungpo-gu, Seoul 150-073 (KR).
KIM, Nam ho [KR/KR]; 101-1409 Hyundai Apt., Eun-
haeng-dong, Jungwon-gu, Seongnam-si, Kyungki-do

462-150 (KR). RYU, Keun Ho [KR/KR]; A-201
Hwapyung Villa, 208-1 Yangjae 2-dong, Seocho-gu, Seoul
137-130 (KR). YI, Jung Bum [KR/KR]; LG Village, 530
Geumgok-dong, Gwonseon-gu, Suwon-si, Kyungki-do
441-70 (KR). JUNG, Jae Yoon [KR/KR]; 2 Cha 404
World Villa, 232 Negak-li, Jinjeop-eup, Namyangju-si,
Kyungki-do 472-862 (KR).

(74) Agent: PAIK, Nam-Hoon; 14th Fl., KTB Network Bldg.,
826-14, Yeoksam-dong, Kangnam-ku, Seoul 135-769
(KR).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: NOVEL PYRIDINE DERIVATIVES, A PROCESS FOR THEIR PREPARATION AND A PHARMACEUTICAL COM-
POSITION CONTAINING THE SAME

(57) Abstract: This invention relates to novel pyridine derivatives having an inhibitory effect on production of cytokines, which are
involved in inflammatory responses, thus suggesting its usefulness as therapeutic agents for treating diseases related to inflammation,
immune, chronic inflammation as well as an agent having an anti-inflammatory and analgesic effect. Further, this invention relates
to a method of manufacturing the same and a pharmaceutical composition containing the same.

WO 2005/063768 A1